

TB260 BOPLAN SAFETY BARRIER SPECIFICATION SHEET

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Boplan reference: TB260 ...



PRODUCT SPECIFICATIONS

APPLICATION

Environment	The TB260 is ideal for protecting against damage caused by forklift manoeuvres. The lower tube prevents goods or pallets sliding under the barriers and hitting pedestrians or causing damage to machines or equipment.	
Advisory speed	7.5 km/h	For gross weight vehicle of 2500 kg
	5.5 km/h	For gross weight vehicle of 5000 kg

MATERIAL

Posts and rails	Polyolefin - UV resistant - Fire class HB* - Non conductive - Impervious to most chemical products**
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STANDARD COLORS

End post	Yellow
Mid post	Yellow
Tubes (rails)	Yellow

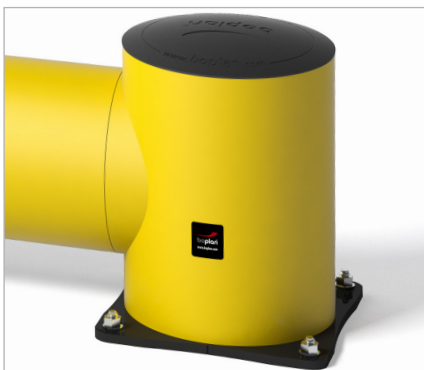
BASEPLATES

	Steel	Zinc Coated Steel	Stainless steel
Material	Steel 37	Steel 37	INOX (RVS 304)
Coating	Lacquered	Lacquered + electro plating	No Itacquer / No coating
Color	High gloss black	Matt black	Natural color

FIXATIONS

	ZINC COATED	INOX
EXPANSION ANCHOR 	Length = 120 mm Size = M12 Drill hole diameter = 12 mm Max load (pull out) = 7.9 kN	Length = 120 mm Size = M12 Drill hole diameter = 12 mm Max load (pull out) = 7.9 kN
THREADED ROD (WITH CHEMICAL ANCHOR) 	Length = 120 mm Size = M12 Drill hole diameter = 14 mm Max load (pull out) = 16 kN	Length = 120 mm Size = M12 Drill hole diameter = 14 mm Max load (pull out) = 16 kN

*Fire class HB = Slow burning; classification according to UL94: US Standard for Safety of Flammability of Plastics
**Ask your local sales office for resistance to specific chemicals.

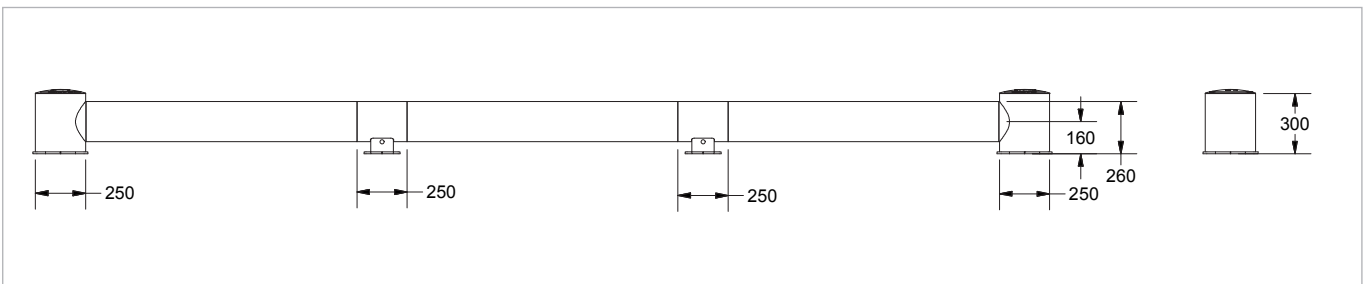
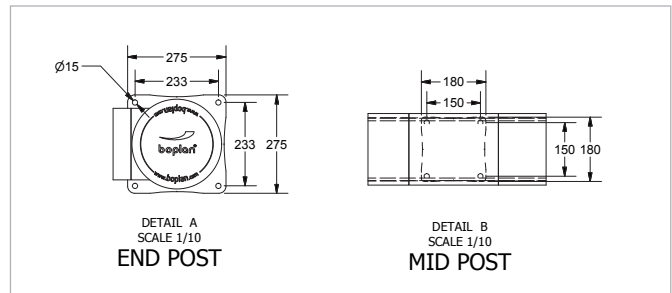


FEATURES AND FUNCTIONALITY TB260

SIZE	
Height end posts	300 mm
Height mid post	260 mm
Profile section tubes	Ø200 mm (11 mm thick)
Profile section end posts	Outer tube: Ø250 mm (11 mm thick) Inner profile: 112 mm x 112 mm (10 mm thick)
Profile section mid posts	Profile: 112 mm x 112 mm (10 mm thick)
Standard rail length	1350 mm (other sizes: 750 mm - 1750 mm)
Baseplate	End Post: 275 mm x 275 mm (10mm thick) Mid Post: 180 mm x 180 mm (10mm thick)

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness	minimum 150 mm
Concrete slab dimension around posts (mm)	600 (h) x 600 (w) x 500 (d)
Operational temperature	-10°C up to +40°C
Water and humidity	Steel (standard): dry indoor use only. Zinc coated: outdoor use in most environments. RVS: outdoor use or frequent exposure to water and humidity.

IMPACT PERFORMANCE		
Test conditions	Ambient temperature	20°C
	Tube length	1600mm (center - center)
90° impact	Fork lift weight	2300kg
	Floor	Industrial concrete
	Success criteria	Fork lift stopped by barrier
45° impact	Maximum impact on post	12000 Joule
	Maximum impact on tube	21200 Joule
45° impact	Maximum impact on tube	30000 Joule


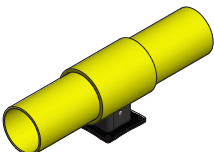


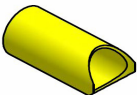
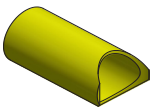
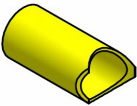
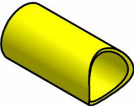
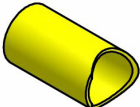
S = Stainless steel (=inox = RVS)
 Z = Zinc coated (=galvanized)
 C = chamfered
 YE = Yellow

CC = Center - Center distance

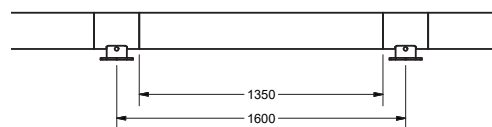


REFERENCE LIST - TB260

POSTS		
End post End post - Stainless steel End post - Zinc coated	TB2600-0001-EPYE TB2600-0001-EPYES TB2600-0001-EPYEZ	
Mid post Mid post - Stainless steel Mid post - Zinc coated	TB2600-0001-MPYE TB2600-0001-MPYES TB2600-0001-MPYEZ	

CURVES		
Conn.tube Ø200 Curve 350mm - YE	TB2600-0350-C200YE	
Conn.tube Ø200 - 45° Curve 350mm - YE	TB2600-0350-C204YE	
Conn.tube Ø200 - 90° Curve 350mm - YE	TB2600-0350-C209YE	
Conn.tube Ø250 Curve 350mm - YE	TB2600-0350-C250YE	
Conn.tube Ø250 - 90° Curve 350mm - YE	TB2600-0350-C259YE	

RAIL SETS			
	Tube length	CC length	Reference
Standard rail	750 mm	1000 mm	TB2600-0750-1000YE
Standard rail	950 mm	1200 mm	TB2600-0950-1200YE
Standard rail	1150 mm	1400 mm	TB2600-1150-1400YE
Standard rail	1350 mm	1600 mm	TB2600-1350-1600YE
Standard rail	1550 mm	1800 mm*	TB2600-1550-1800YE
Standard rail	1750 mm	2000 mm*	TB2600-1750-2000YE
Short rail	600-1349 mm	850-1599 mm	TB2609-1599-SRYE
Long rail	1351-1749 mm	1601-2000 mm*	TB2609-2000-LRYE



* The impact performance has not been tested for tube lengths > 1600 mm.
 Only use these lengths for non - critical applications.

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FIXED UNITS				
TYPE	LENGTH	YELLOW		
no curves	750 mm	TB2600-0750-FUYE TB2600-0750-FUYES TB2600-0750-FUYEZ		
	751-1750 mm	TB2601-1750-FUYE TB2601-1750-FUYES TB2601-1750-FUYEZ		
1 curve	750 mm	TB2600-0750-FU1CYE TB2600-0750-FU1CYES TB2600-0750-FU1CYES		
	751-1750 mm	TB2601-1750-1CYE TB2601-1750-1CYES TB2601-1750-1CYES		
2 curves	750 mm	TB2600-0750-FU2CYE TB2600-0750-FU2CYES TB2600-0750-FU2CYES		
	751-1750 mm	TB2601-1750-FU2CYE TB2601-1750-FU2CYES TB2601-1750-FU2CYES		